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CLAIM AMENDMENTS

1-3. (cancelled)

- 4. (previously presented): An antibody or fragment thereof that specifically binds to SEQ ID NO: 2.
- 5. (previously presented): The antibody or fragment thereof of claim 4, which is a monoclonal antibody.
- 6. (previously presented): The antibody or fragment thereof of claim 5, wherein the monoclonal antibody is recombinantly produced.
- 7. (previously presented): The antibody or fragment thereof of claim 4, which is conjugated to an agent.
 - 8. (cancelled)
- 9. (previously presented): The antibody or fragment thereof of claim 4, wherein the fragment is an Fab, F(ab')2, Fv or sFv fragment.
- 10. (previously presented): The antibody or fragment thereof of claim 4, which is a human antibody, a humanized antibody or a chimeric antibody.
 - 11. (cancelled)
- 12. (previously presented): A hybridoma that produces an antibody or fragment thereof that specifically binds to a protein comprising SEQ ID NO: 2.

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13. (previously presented): The antibody or fragment thereof of claim 6, wherein the monoclonal antibody is a single chain monoclonal antibody that immunospecifically binds to a protein comprising SEQ ID NO: 2.

14. (cancelled)

15. (withdrawn): A method of delivering an agent to a cell that expresses 121P1F1 (SEQ ID NO: 2), said method comprising:

providing the agent conjugated to an antibody or fragment thereof of claim 4; and, exposing the cell to the antibody-agent or fragment-agent conjugate.

16-47. (cancelled)

48. (withdrawn): A method of inhibiting growth of cancer cells that express 121P1F1, comprising:

administering to said cells an antibody or fragment thereof which specifically bind to a 121P1F1 protein (SEQ ID NO: 2).

49. (withdrawn): The method of claim 48 wherein the antibody or fragment thereof is a single chain monoclonal antibody that immunospecifically binds to the 121P1F1 protein.

50-53. (cancelled)

54. (withdrawn): The method of claim 48 of inhibiting growth of cancer cells that express 121P1F1 and a particular HLA molecule, the method comprising steps of:

administering to said cells human T cells, wherein said T cells specifically recognize an 121P1F1 peptide sequence in the context of the particular HLA molecule.

55-77. (cancelled)

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78. (previously presented): The antibody or fragment thereof of claim 7, wherein the agent is a diagnostic agent or a cytotoxic agent.

- 79. (previously presented): The antibody or fragment thereof of claim 78, wherein the cytotoxic agent is selected from the group consisting of radioactive isotopes, chemotherapeutic agents and toxins.
- 80. (previously presented): The antibody or fragment thereof of claim 79, wherein the radioactive isotope is selected from the group consisting of ²¹¹At, ¹³¹I, ¹²⁵I, ⁹⁰Y, ¹⁸⁶Re, ¹⁸⁸Re, ¹⁵³Sm, ²¹²Bi, ³²P and radioactive isotopes of Lu.
- 81. (previously presented): The antibody or fragment thereof of claim 79, wherein the chemotherapeutic agent is selected from the group consisting of taxol, actinomycin, mitomycin, etoposide, tenoposide, vincristine, vinblastine, colchicine, gelonin, and calicheamicin.
- 82. (previously presented): The antibody or fragment thereof of claim 79, wherein the toxin is selected from the group consisting of diphtheria toxin, enomycin, phenomycin, Pseudomonas exotoxin (PE) A, PE40, abrin, abrin A chain, mitogellin, modeccin A chain, and alpha-sarcin.